

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
1 July 2004 (01.07.2004)

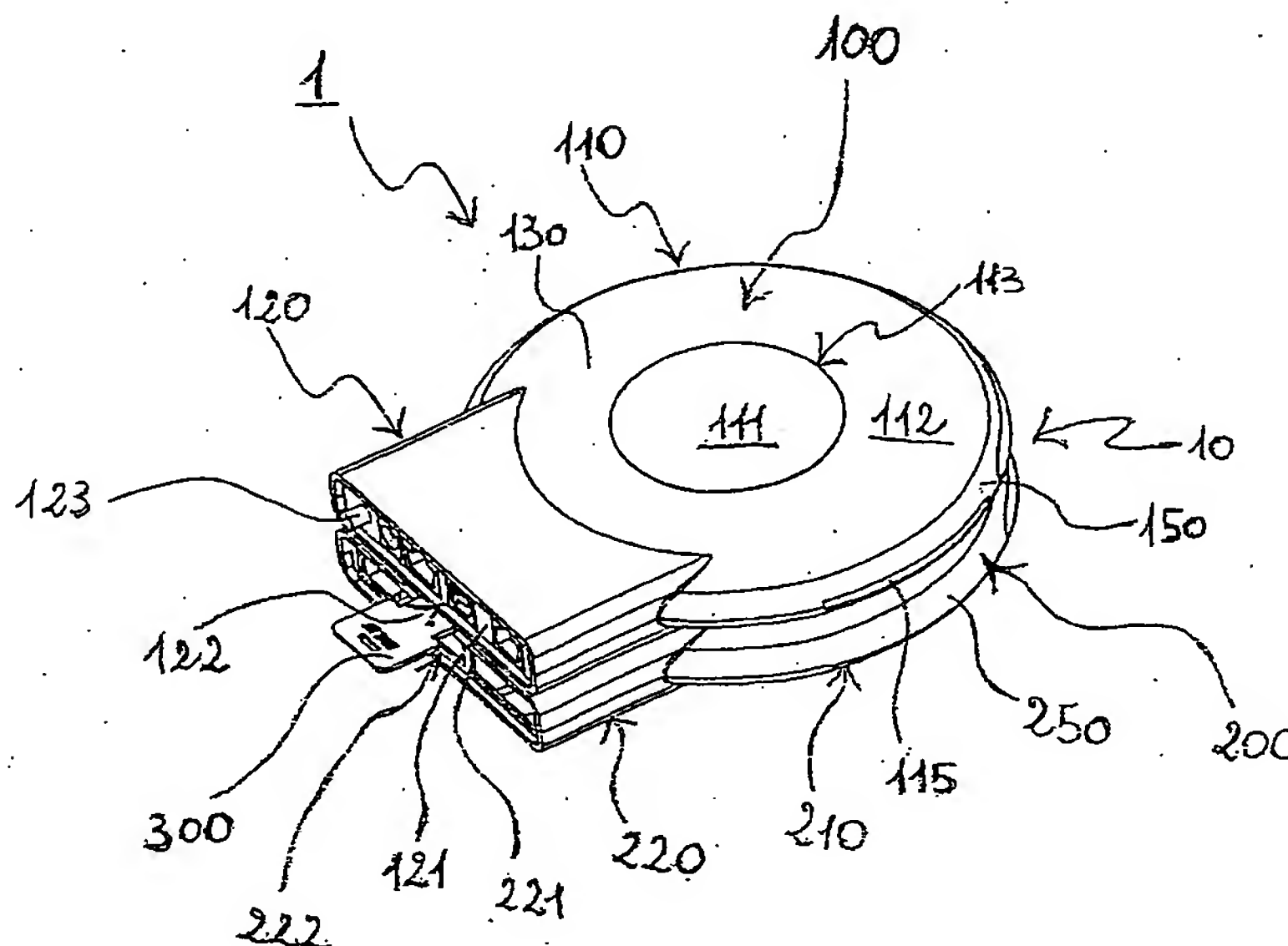
PCT

(10) International Publication Number  
WO 2004/055949 A1

- (51) International Patent Classification<sup>7</sup>: H01R 13/70, 13/514, H04L 12/28
- (21) International Application Number: PCT/EP2002/014482
- (22) International Filing Date: 18 December 2002 (18.12.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (71) Applicants (for all designated States except US): PIRELLI & C. S.p.A. [IT/IT]; Viale Sarca, 222, I-20126 Milano (IT). TELECOM ITALIA S.p.A. [IT/IT]; Piazza degli Affari, 2, I-20121 Milano (IT).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): OLIVETTI, Guido [IT/IT]; c/o Pirelli Cavi e Sistemi S.p.A., Viale Sarca, 222, I-20126 Milano (IT). SIMONELLI, Francesco [IT/IT]; c/o Pirelli Cavi e Sistemi S.p.A., Viale Sarca, 222, I-20126 Milano (IT). TAGLIABUE, Giovanni [IT/IT]; c/o Pirelli Cavi e Sistemi S.p.A., Viale Sarca, 222, I-20126 Milano (IT).
- (74) Agents: CASTIGLIA, Paolo et al.; Porta, Checcacci & Associati S.p.A., Viale Sabotino, 19/2, I-20135 Milano (IT).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report  
— with amended claims

[Continued on next page]

(54) Title: MODULAR APPARATUS AND METHOD FOR DATA COMMUNICATION BETWEEN A DISTRIBUTION NETWORK AND A RESIDENTIAL NETWORK



(57) Abstract: A modular apparatus for data communication between a distribution network and a residential network is disclosed. The apparatus comprises a first device adapted to interface a distribution network, at least one second device adapted to interface a residential network and to be mechanically and electrically connected to said first device, and at least one interconnecting lock adapted to keep said first device and said at least one second device firmly secured to each other and to activate electrical supply between said first device and said at least one second device.

WO 2004/055949 A1



*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*